SIR SYED INSTITUTE FOR TECHNICAL STUDIES

TALIPARAMBA

(Affiliated to Kannur University)

DEPARTMENT OF COMPUTER SCIENCE

PRACTICAL RECORD

WEB AND PYTHON PROGRAMMING

B.Sc. COMPUTER SCIENCE (MAIN)

2021-2022

NAME……

ROLL. NO…….

Reg. NO…….

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Certified that this is the bonfide record of the work done in the laboratory Sir Syed Institute for Technical Studies, Taliparamba

By.....

VIGI KURIAN AND
RAMYA RAGHUNANDAN PK

Taliparamba	**Lecturer in Charge**	**KHADEEJA K T**
31/03/2022		**Head of the Department**

Submitted at the university practical examination… 2022
University Reg.No: ……..

Date: External Examiner:

1.

2.

WEB PROGRAMS

WEB PROGRAMS

1. **Design a webpage containing the Programmes offered in your college with different types of headings, links and lists.**

```
<html>
<head>
<title>SSITS</title>
</head>
<body bgcolor="#F2F4CF">
<div style="background-color:white">
<center><header><font color="red"><h1>SSITS</h1>
<h2>Karimbam</h2></header></font></center></div>
<center><img src="/home/ajay/Downloads/ssits2.jpg" alt="SSITS" height="150" width="500"
border="10" style="border-color:green">
</center><br><br>
<div style="background-color:black">
<font color="white" size="5"><b>SSITS</b><i> The college is affiliated to Kannur university.It was
the first institution in Kannur university to provide such courses.</i><br><br>
<b>Along with the main stream courses the college conducts various courses.</b><font></div><br>
<a href="gallery.html"><h2>Gallery</h2></a><br>
<table width="1000" style="background-color:pink"><tr>
<td style="background-color:orange">
<h1><B>PROGRAM LIST</B></h1>
<font color="blue" size="6"><ul>
<li>BSc Computer Science</li>
<li>BCom</li>
<li>MSc Computer Science</li>
</ul></font>
</td></tr></table><br><br>
</body>
</html>
```

gallery.html

```
<html>
<body bgcolor="ivory">
<br><br><br>_____
_____
</b><br>
<img src="/home/ajay/Downloads/ssits1.jpg">
<img src="/home/ajay/Downloads/ssits2.jpg">
<img src="/home/ajay/Downloads/ssits3.jpg">
<img src="/home/ajay/Downloads/ssits4.jpg">
<br><br><br>_____
_____</b><br>
<a href="college.html" align="left">Home</a>
</body>
</html>
```

OUTPUT

SSITS

Karimbam

SSITS *The college is affiliated to Kannur university.It was the first institution in Kannur university to provide such courses.*

Along with the main stream courses the college conducts various courses.

Gallery

PROGRAM LIST

- BSc Computer Science
- BCom
- MSc Computer Science

gallery.html

Home

2. Insert an image into the webpage. Use appropriate attributes.

```
<html>
<head>
<title>Snow</title>
</head>
<body>
<br>
<caption><i>IMAGE WITH BORDER</li></caption>
<img align="center" src="snow.jpg" border="5" width="140" height="120">
</body>
</html>
```

OUTPUT

IMAGE WITH BORDER

3. Design a webpage showing the mark list of a student of B.Sc. Computer Science using Table. Use different attributes as necessary.

```
<html>
<body bgcolor="#F2F4CF">
<center><H1>Marklist</H1>
<br><br><br>
<table border="2">
<tbody><tr>
<td colspan="11"><b>Programme: BSc Computer Science<br>
Semester:Fourth Semester<br>
College:SSITS<br>
Name:AJAY</br>
</td>
</tr>
<tr>
<td>Course code</td>
<td>Course Title</td>
<td>Cr.</td>
<td>Max.Mark</td>
<td>IA</td>
<td>ESE</td>
<td>Total</td>
<td>GP</td>
<td>C.P</td>
<td>Result</td>
</tr>
<tr>
<td>4B01CSC</td>
<td>PYTHON</td>
<td>4</td>
<td>50</td>
<td>10</td>
<td>32</td>
<td>42</td>
<td>8.4</td>
<td>A</td>
<td>33.6</td>
<td>P</td>
</tr>
<tr>
<td>4B02CSC</td>
<td>WEB</td>
<td>3</td>
<td>50</td>
<td>10</td>
<td>34</td>
<td>44</td>
```

```
<td>6.6</td>
<td>C</td>
<td>26.4</td>
<td>P</td>
</tr>
<tr>
<td>4B03CSC</td>
<td>JAVA</td>
<td>4</td>
<td>50</td>
<td>9</td>
<td>24</td>
<td>33</td>
<td>6.6</td>
<td>C</td>
<td>26.4</td>
<td>P</td>
</tr>
<tr>
<td>4B04CSC</td>
<td>GRAPHICS</td>
<td>4</td>
<td>50</td>
<td>10</td>
<td>32</td>
<td>42</td>
<td>8.4</td>
<td>A</td>
<td>33.6</td>
<td>P</td>
</tr>
<tr>
<td>4B05CSC</td>
<td>OPEN</td>
<td>2</td>
<td>25</td>
<td>4</td>
<td>12</td>
<td>16</td>
<td>6.4</td>
<td>C</td>
<td>12.8</td>
<td>P</td>
</tr>
</body></table></center>
</body>
</html>
```

OUTPUT

Marklist

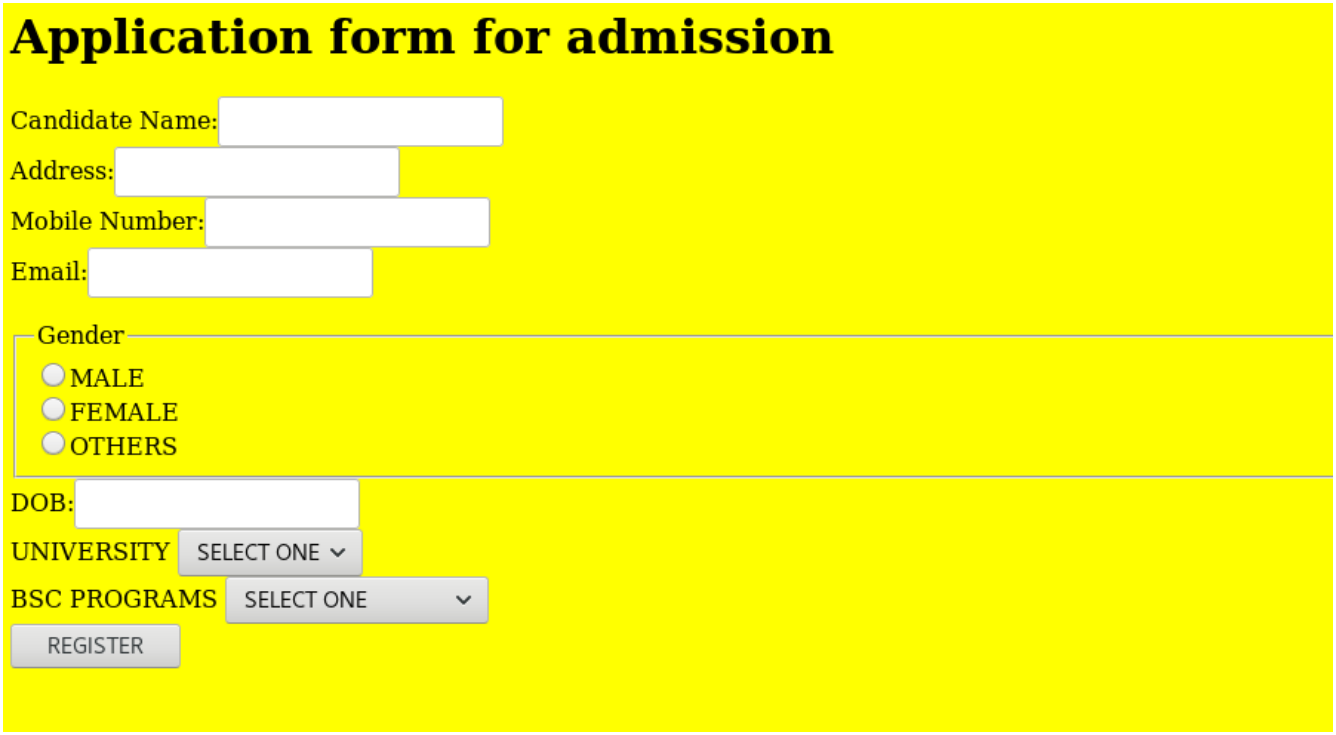
Programme: BSc Computer Science
Semester:Fourth Semester
College:SSITS
Name:AJAY

Course code	Course Title	Cr.	Max.Mark	IA	ESE	Total	GP	C.P	Result	
4B01CSC	PYTHON	4	50	10	32	42	8.4	A	33.6	P
4B02CSC	WEB	3	50	10	34	44	6.6	C	26.4	P
4B03CSC	JAVA	4	50	9	24	33	6.6	C	26.4	P
4B04CSC	GRAPHICS	4	50	10	32	42	8.4	A	33.6	P
4B05CSC	OPEN	2	25	4	12	16	6.4	C	12.8	P

4. Design an application form for admission to a course. It should contain different types of inputs. Use autocomplete attribute also.

```
<html>
<body bgcolor=" yellow">
<h1>Application form for admission</h1>
<form autocomplete="on">
<p><label>Candidate Name:<input type="text"name="name" required></label><BR>
<label>Address:<input type="text" name="address" required></label><BR>
<label>Mobile Number:<input type="text" name="number" required></label><BR>
<label>Email:<input type="email"name="email_address" required></label><BR>
<fieldset><legend>Gender</legend>
<label><input type="radio" name="gend" required>MALE</label><BR>
<label><input type="radio" name="gend" required>FEMALE</label><BR>
<label><input type="radio" name="gend" required>OTHERS</label><BR></fieldset>
<label>DOB:<input type="text" name="date" required></label><BR>
<label>UNIVERSITY
<select id="UTY" name="UNIVERSITY">
<option value="" selected="selected">SELECT ONE </option>
<option value="city">KANNUR</option>
<option value="city">KASARGODE</option></select></label><BR>
<label>BSC PROGRAMS
<select id="PGH"name="PGH">
<option value="" selected="selected">SELECT ONE </option>
<option value="sub1">COMPUTER SCIENCE</option>
</select>
</label><BR>
<label><input type="submit" value="REGISTER">
</label>
</form>
</body>
</html>
```

OUTPUT

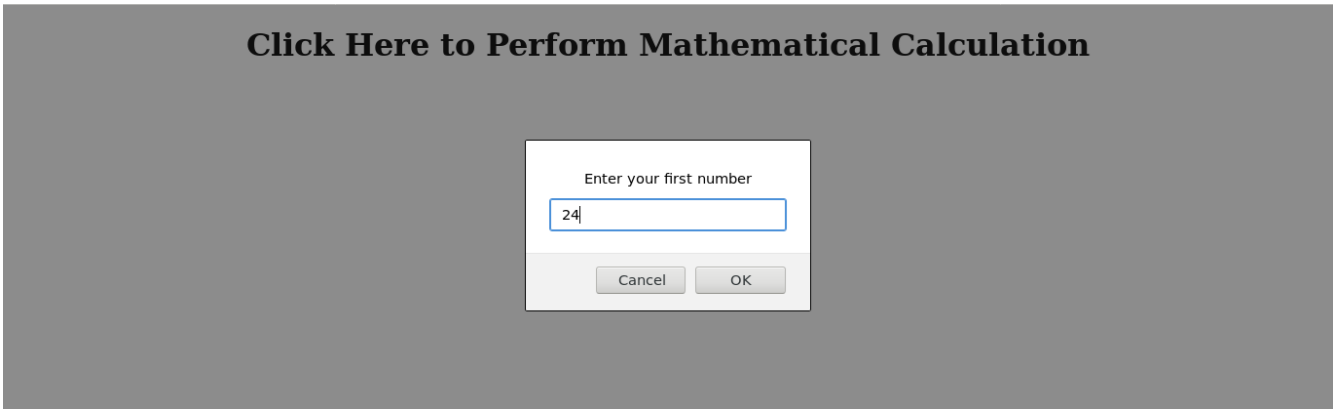

Application form for admission
Candidate Name:
Address:
Mobile Number:
Email:
Gender
MALE
FEMALE
OTHERS
DOB:
UNIVERSITY
SELECT ONE
BSC PROGRAMS
SELECT ONE
REGISTER

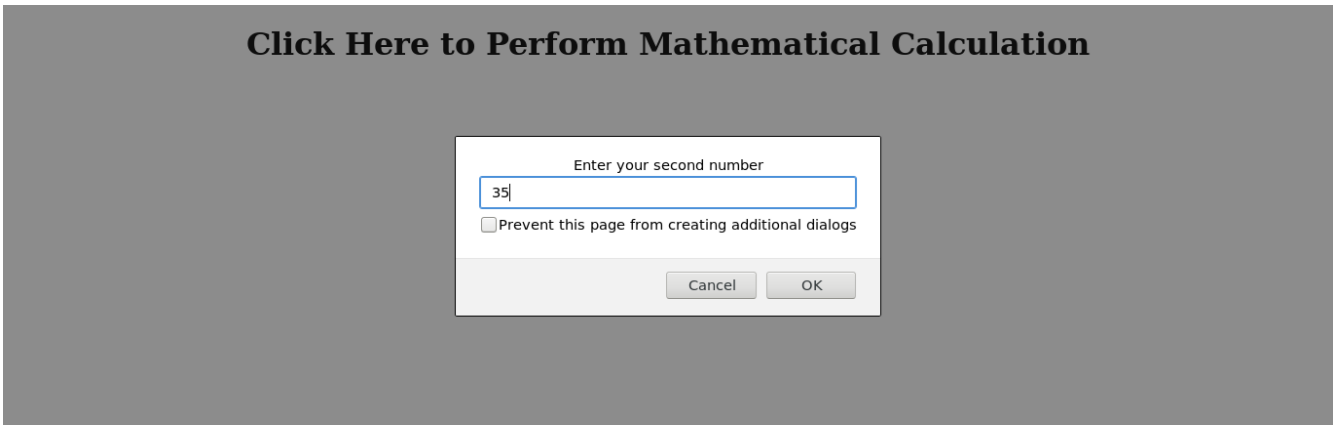
5. Write a JavaScript code using functions to perform arithmetic operations on two numbers.

```
<html>
<body>
<center>
<h1>Click Here to Perform Mathematical Calculation</h1><br>
<script>
var x=prompt("Enter your first number","Exp1");
var y=prompt("Enter your second number","Exp2");
var x1=parseInt(x);
var y1=parseInt(y);
</script>
<button onclick="plus()" >+</button>
<button onclick="minus()" >-</button>
<button onclick="star()" >*</button>
<button onclick="division()" >/</button>
<button onclick="mod()" >%</button>
<font color="Brown"><p id="demo"></p>
<script>
function plus()
{

var res=x1+y1;
document.getElementById("demo").innerHTML="RESULT ="
+res;
}
function plus()
{

var res=x1+y1;
document.getElementById("demo").innerHTML="RESULT="
+res;
}
function minus()
{

var res=x1-y1;
document.getElementById("demo").innerHTML="RESULT ="
+res;
}
function star()
{

var res=x1*y1;
document.getElementById("demo").innerHTML="RESULT ="
+res;
}
```

```
function division()
{

var res=x1/y1;
document.getElementById("demo").innerHTML="RESULT ="
+res;
}
function mod()
{

var res=x1%y1;
document.getElementById("demo").innerHTML="RESULT ="
+res;
}
</script>
</body>
</html>
```

OUTPUT





Click Here to Perform Mathematical Calculation

+ - * / %

Click Here to Perform Mathematical Calculation

+ - * / %

RESULT=59

6. Write a JavaScript code to sort and reverse array elements.

```
<html>
<head></head>
<body>
<script language="javascript">
friends=new Array(5);
friends[0]="rafna";
friends[1]="hanna";
friends[2]="fathima";
friends[3]="sumadu";
friends[4]="pamms";
document.write(friends[0]+"<br>");
document.write(friends[1]+"<br>");
document.write(friends[2]+"<br>");
document.write(friends[3]+"<br>");
document.write(friends[4]+"<br>");
join_crt=friends.join();
reverse_crt=friends.reverse();
document.write(join_crt+"<br>");
document.write(reverse_crt);
</script>
</body>
</html>
```

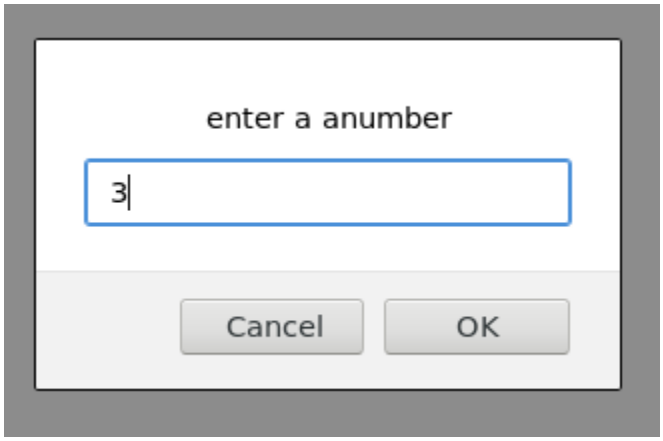
OUTPUT

```
rafna
hanna
fathima
suma
pamms
rafna,hanna,fathima,suma,pamms
pamms,suma,fathima,hanna,rafna
```

7. Java Script code to find the factorial of a number using recursion.

```
<html>
<body>
<script language="javascript">
var num=prompt("enter a anumber");
var fact=1;
while(num>0)
{
fact=fact*num;
num--;
}
document.write("factorial is "+fact);
</script>
</body>
</html>
```

OUTPUT



factorial is 6

8. Java Script code to show the working of math object. (Use at least 3 math functions)

```
<html>
<head>
<title> JavaScript Math Object</title>
</head>
<body>
<h2>JavaScript Math Object</h2>
<p id="p1" style = "color:green;"></p>
<script>document.getElementById("p1").innerHTML ="<p><b>Math.abs(-4.7):</b> " + Math.abs(-4.7) + "</p>" +"<p><b>Math.ceil(4.4):</b> " + Math.ceil(4.4) + "</p>" +"<p><b>Math.min(0, 150, 30, 20, -8, -200):</b> " +Math.min(0, 150, 30, 20, -8, -200) + "</p>" +"<p><b>Math.random():</b> " + Math.random() + "</p>";
</script>
</body>
</html>
```

OUTPUT

JavaScript Math Object

Math.abs(-4.7): 4.7

Math.ceil(4.4): 5

Math.min(0, 150, 30, 20, -8, -200): -200

Math.random(): 0.13357619878067117

9. JavaScript code to display the current Date and Time.

```
<html>
<body bgcolor="red">
<p>date object with the current date and time:</p>
<p id="demo"></p>
<script>
const d = new Date();
document.getElementById("demo").innerHTML = d;
</script>
</body>
</html>
```

OUTPUT